NCI's Smoking Cessation Activities and Priorities: Discovery, Development and Delivery

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NCI Tobacco Use Cessation Activities: Discovery, Development & Delivery

- Of the over **$125 M** NCI awarded in grants and contracts for tobacco-related research in FY 2001, approximately one-fifth **($24.5 M)** supported 51 grants specifically related to tobacco use cessation

- Of these 51 grants:
  - -39 focused on adults, 12 studied youth cessation
  - -24 grants focused primarily on behavioral therapy, 9 studied combination therapy, and 4 focused on pharmacotherapy.

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Discovery

- **Transdisciplinary Tobacco Use Research Centers (TTURCs)**

  Seven TTURCs were established in 1999 with 5 years of funding by NCI, the National Institute on Drug Abuse (NIDA), and the Robert Wood Johnson Foundation (RWJF). This initiative has been renewed as an initiative between NCI, NIDA, and NIAAA.

- **Prevention and Cessation of Tobacco Use by Children and Youth in the United States**

  Two NIH RFAs, released in 1997 and 1998, were designed to fund innovative research that has clear implications for the immediate and significant reduction of tobacco use by children and youth. Of the 29 grants funded under these two RFAs, 13 addressed youth tobacco cessation.

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Discovery, cont.

- **Measures Guide for Adolescent Tobacco**

  In collaboration with several partners, NCI is supporting development of a Web-based guide of standardized and psychometrically sound tobacco measures to accurately examine the efficacy of tobacco interventions for youth.

- **NIH medication development for smoking cessation**

  NCI is working in collaboration with NIDA on a Working Group on Medication Development for Nicotine Addiction that explores ways to draw upon NIDA's expertise in addiction research, as well as NCI's experience in drug development. New research is being solicited via an SBIR mechanism.

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Discovery, cont.

- **International grants**

  The NCI has committed $1.6 M per year for five years to support tobacco control grants through the Fogarty International Center. Of the eight grants that are funded by NCI, three are focused on smoking cessation or dissemination of effective cessation methods.

- **Tobacco Intervention Research Clinic**

  NCI recently launched the Tobacco Intervention Research Clinic, a state-of-the-science center for tobacco use research by NCI scientists and collaborators, including those in the NCI and other NIH intramural programs.

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Development

- **A National Blueprint for Disseminating and Implementing Evidence-Based Clinical and Community Strategies to Promote Tobacco-Use Cessation**

  The goal of this blueprint is to improve health and reduce tobacco-related illness and death by implementing evidence-based clinical and community strategies shown to increase tobacco-use cessation in the United States.

- **NCI Tobacco Investigators Meeting: Synthesizing Research for the Public's Health**

  The goals of this yearly meeting are to foster transdisciplinary collaboration among NCI grantees and other scientists, explore our progress in tobacco control, and facilitate collaboration between research scientists and community-based professionals to promote the application of research findings into effective programs and strategies

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Development, cont.

- **Interagency Committee on Smoking and Health, Subcommittee on Cessation**

  This Subcommittee brought together multiple gov't and non-gov't representatives – including CDC, NCI, DoD, and others – to seek guidance from the community on federal cessation priorities. The recommendations from the Subcommittee have been presented to the Sec. of DHHS, and will be published in February

- **Initiative on the Study and Implementation of Systems (ISIS)**

  The goal of ISIS is to bring systems thinking, network-centric, and knowledge management principles and practices to bear on tobacco control – with specific emphasis on the adult Blueprint as a model

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Delivery

- **Cancer Information Service** (CIS)

  - Toll free number (1-877-44U-QUIT)

  - Provides smoking cessation counseling to the public in English and Spanish

  - Smoking cessation materials, such as NCI's Clearing the Air, are sent at no cost to those trying to quit smoking, health care providers, community, etc

  -In 2004, CIS will identify a new smoking cessation number, expand its hours of service, enhance staff training, develop more comprehensive public education materials that include topics such as nicotine replacement therapy, provide proactive call-backs to smokers, and develop an evaluation component.

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Delivery, cont.

- **Smokefree.gov web site**

  The NCI developed, with help from CDC and others, a web site to help smokers quit using tobacco. This web site is tied to the CIS telephone intervention and to CIS LiveHelp (instant messaging), so that there is a multi-modal government service for smokers trying to quit.

- **Cancer Control PLANET** (Plan, Link, Act, Network with Evidence-based Tools) (http://cancercontrolplanet.cancer.gov/)

  In partnership with others, NCI developed a "portal" web site designed to help bridge the discovery-delivery gap and increase the adoption of evidence-based approaches across the cancer control continuum.

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NCI's Priorities for Smoking Cessation in 2005

http://plan.cancer.gov/

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Discovery

Lead and conduct a vigorous research and public health effort consistent with the enormous burden of tobacco-related disease

- Support clinical and population studies that investigate the genetic, biological, and behavioral factors influencing vulnerability to tobacco dependence and tobacco-related cancers

- Capitalize on the breadth of expertise across NIH institutes by supporting collaborative projects such as the identification of new treatments to prevent weight gain following smoking cessation at NCI's Tobacco Intervention Research Clinic

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Discovery, cont.

- Support studies that systematically examine tobacco constituents, genetic factors, and environmental and psychosocial risks and their relative effects on trajectories in tobacco use, cessation, relapse, and addiction in understudied and underserved populations

- Collaborate with the American Cancer Society on tobacco use prevention and cessation research in China

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Development

Support and develop innovative, integrated studies and interventions to understand, prevent, and treat tobacco use and addiction

- Accelerate the identification of new treatments for tobacco addiction through the implementation of a drug development and clinical trials collaborative group by NCI and other NIH institutes, as well as through linkage to existing clinical trial networks

- Expand the Cancer Intervention and Surveillance Modeling Network (CISNET) to develop models of tobacco use, dependence, relapse, and disease development

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Development, cont.

- Accelerate the development of network-centric approaches, such as networks for monitoring tobacco use and reducing tobacco-related disparities, to assure maximal linkage and collaboration across tobacco control domains (e.g., surveillance, treatment)

- Support tobacco use prevention and cessation research specifically addressing ethnically diverse underserved youth and young adults

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Delivery

Apply cutting-edge research to prevent and treat tobacco use and tobacco related cancers and to inform public health policy

- Develop integrated and coordinated efforts to implement the youth and adult cessation Blueprint recommendations in collaboration with the Centers for Disease Control and Prevention and other public and private organizations

- Enhance the Cancer Information Service's smoking cessation services and research infrastructure to improve treatment of tobacco addiction

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Delivery, cont.

- Fund community-based, participatory research on tobacco-use prevention and cessation
- Support the identification, development, and dissemination of effective tobacco-use prevention and cessation interventions to underserved populations

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